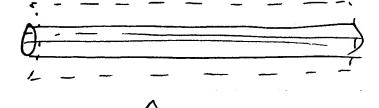


Cl2, He



F16.5

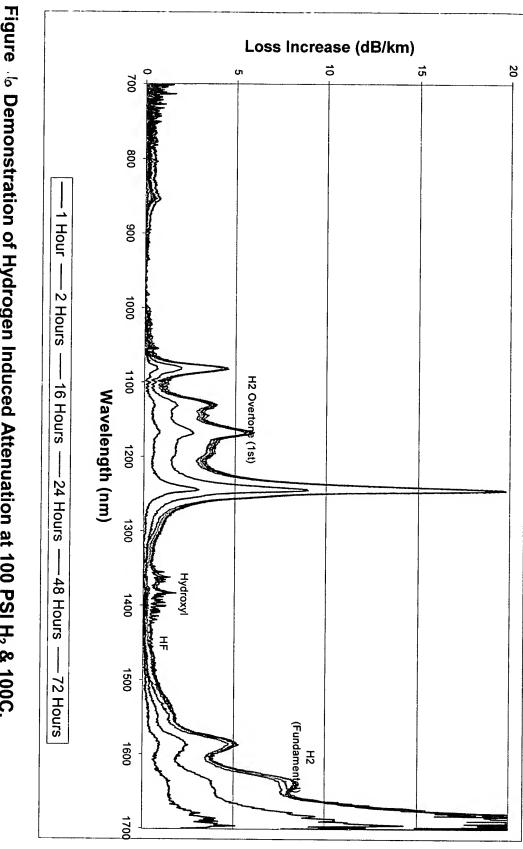


Figure do Demonstration of Hydrogen Induced Attenuation at 100 PSI H₂ & 100C.

Figure 7 Elimination of SiOH and HF absorption peaks in 100 PSI H2 & 100C. Loss Increas (dB/km) FSI050103 — CFSI072103 — CFSI072403 — Z H2 Overtone (1st) Wavelength (nm) H2 (Fundamental) 

Figure & Attenuation of pure silica core fiber with excess oxygen. 0.0 2.0 3.0 1.0 850 FSI050103B 950 1050 1150 -FSI050103B ---- Scattering -----FSI041603B BACKGROUND LOSS (dB/km) Wavelength (nm) 1250 1350 1450 1550 Cut Length =3,098.78m1650

Homa 073103-1 614

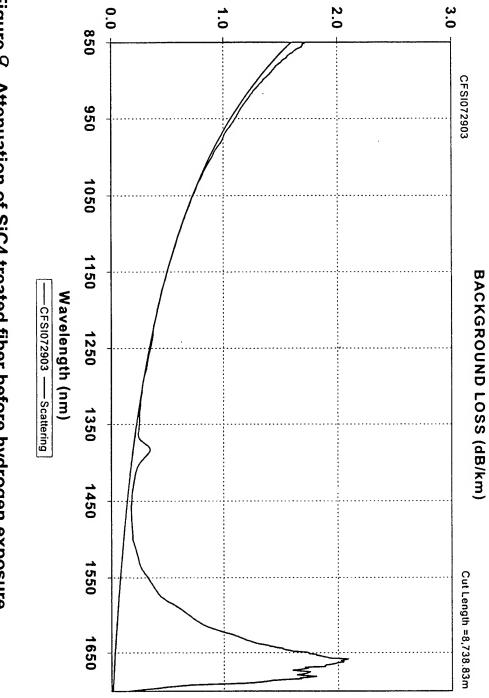


Figure 9 Attenuation of SiC4 treated fiber before hydrogen exposure.